

ATTACHMENT H

CHEMICAL COMPOUND GROUPS

ILD005450697

Chemical Compound Groups  
Attachment H

	<u>Name</u>	<u>Waste Code</u>	<u>CAS Number</u>
1.	<u>Alcohols</u>		
	Butyl alcohol, n-(1-Butanol)	F003, U031	71-63-3
	Isoamyl alcohol (3-Methyl-1-butanol)		123-51-3
	Isobutanol (Isobutyl alcohol, 2-methyl-1 propanol)	F005, U140	78-83-1
	Methanol	F003, U154	67-56-1
	Phenols	U188	108-95-2
2.	<u>Aliphatic</u>		
	Acetadehyde	U001	75-07-0
	Cyclohexane	U056	110-82-7
	Hexane		110-54-3
3.	<u>Ethers</u>		
	Ethyl ether	F003, U117	60-29-7
	Dioxane, 1,4-	U108	123-91-1
	Tetrahydrofuran	U213	109-99-9
	Ethoxyethanol,2-(cellosolve®)	F005, U359	110-80-5
4.	<u>Aromatic</u>		
	Benzene	F005, D018, U019	71-43-2
	Cumene	U055	98-82-8

- c. Hazardous waste, received for treatment.
- d. Hazardous waste, received for storage and transfer offsite.

SFN:MAS:bjh\96401s.doc

ATTACHMENT A

WASTES WHICH CAN BE ACCEPTED AND  
HAZARDOUS WASTE IDENTIFICATION NUMBERS

ILD005450697

9. Nitrogen, aliphatic

Acetonitrile	U003	75-05-8
Nitropropane, 2-	F005, U171	79-46-9
Dimethylacetamide		127-19-5
Dipropylamine	U110	142-84-7
Pyridine	F005, D038, U196	110-86-1
Ethyl Pyrrolidone		2687-91-4
Methyl pyrrolidone		872-50-4

10. Sulfur compound, oxygenated

Dimethylsulfoxide		67-68-5
-------------------	--	---------





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

February 27, 2008

REPLY TO THE ATTENTION OF:

CERTIFIED MAIL 7001 0320 0006 0185 6852  
RETURN RECEIPT REQUESTED

LR-8J

Lin Longshore  
Vice President of Environmental Compliance  
Safety Kleen Systems, Inc.  
164 Frontage RD.  
Lexington, SC 29073

RE: Class 1 Permit Modification Request  
Transfer of Ownership, Safety Kleen Systems, Inc. Chicago Recycle  
1445 W. 42<sup>nd</sup> Street  
Chicago, Illinois  
ILD 005 450 697

Dear Mr. Longshore:

The United States Environmental Protection Agency (U.S. EPA) has received your letter of January 31, 2008, in which you indicated the intent from Clean Harbors Recycling Services of Chicago, LLC, to purchase the assets of Chicago Recycling Center (ILD 005 450 697) from Safety-Kleen Systems, Inc. In accordance with 40 CFR §§ 270.40 and 270.42, a prior approval from U.S. EPA is required.

U.S. EPA has also received a letter dated January 31, 2008, from Clean Harbors Environmental Services, Inc., which notified their intent of acquiring the assets of Chicago Recycling Center, including a permit application to transfer the RCRA permit.

U.S. EPA, hereby, approves the transfer of the RCRA permit to the potential new owner. When the transfer of ownership is completed, Safety-Kleen Systems, Inc. must continue to comply with the requirements of 40 CFR Part 264, Subpart H (Financial Requirements) until Clean Harbors Recycling Services of Chicago, LLC, demonstrates its ability to comply with this Subpart.

Should you have any questions regarding this matter, please contact Jim Blough of my staff, at (312) 886-2967.

Sincerely,

Willie H. Harris, P.E.  
Chief, RCRA Branch

cc: Krishnamurth Gadi, IEPA

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Environmental Compliance  
Systems, Inc.  
RD.  
SC 29073

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature

*R. Wilson*

*B.3*

X

*[Signature]*

☐ Agent  
☐ Addressee

D. Is delivery address different from item 1?

If YES, enter delivery address below:

☐ Yes  
☐ No

Service Type  
Certified Mail ☐ Express Mail  
Registered ☐ Return Receipt for Merchandise  
Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number  
(Transfer from service label)

7001 0320 0006 01A5 6A52

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424





January 31, 2008

Jim Blough  
U.S. EPA Region 5, DP-8J  
77 West Jackson Boulevard  
Chicago, IL 60604

RECEIVED  
FEB 05 REC'D

Waste, Hazardous Division  
U.S. EPA - REGION 5

**RE: Class 1 RCRA Permit Requester**  
**Hazardous Waste Management RCRA Part B Permit**  
**USEPA ILD #005450697**  
**IEPA # 0316000053 – Cook County**

Dear Mr. Bremmer,

Attached to this letter is a Part-A application and letter of intent from Clean Harbors Recycling to transfer the Safety Kleen Systems, Inc. Chicago Recycle Center RCRA Part-B operating permit to Clean Harbors Recycling. The current Safety Kleen Systems, Inc. real property at 1445 W. 42<sup>nd</sup> Street will also be sold to Clean Harbors Recycling on the date indicated in the Clean Harbors letter.

If you have any questions or require additional information, please do not hesitate to contact me at 773-247-2828. Also please note that Mr. Lin Longshore, V.P. of Environmental Compliance, can be contacted at 803-359-2061 (Columbia, SC).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Lin Longshore'.

Lin Longshore  
Vice President of Environmental Compliance  
Safety Kleen Systems, Inc.

cc: Mary Gade, Regional Director USEPA Region





Clean Harbors Environmental Services, Inc.  
400 Arbor Lake Drive, Suite B-900  
Columbia, SC 29221  
803.691.3400  
www.cleanharbors.com

January 31, 2008

Mr. Mark Schollenberger  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
Springfield, Illinois 62794

RE: Application for RCRA Permit Transfer  
Transferor: Safety-Kleen Systems, Inc. ("Safety-Kleen")  
Transferee: Clean Harbors Recycling Services of Chicago, LLC  
("Clean Harbors Recycling")  
Facility Location: 1455 W. 42<sup>nd</sup> Street, Chicago, Illinois  
Permit: Part B Hazardous Waste Permit

Dear Mr. Schollenberger:

Enclosed herewith is a permit application to transfer the above-captioned permit. The current permittee is Safety-Kleen Systems, Inc. Safety-Kleen intends to sell the assets comprising the above facility to Clean Harbors Recycling and the parties anticipate that the permit be transferred on February 29, 2008, and that the closing on the sale will take place within 45 days after that date. Clean Harbors will notify the Agency when the exact closing date is known. This notice and the enclosed application are being provided in satisfaction of the 90-day notice requirement under state and federal law and regulation.

Clean Harbors Recycling will provide you with satisfactory financial assurances to meet all permit requirements at the time of the closing and we will provide you well in advance with the form of such financial assurance for your review and comment.

We have enclosed herewith the most recent form 10-K filled with the Securities and Exchange Commission for the parent of Clean Harbors Recycling, Clean Harbors, Inc. Because affiliate of Clean Harbors Recycling current own facilities in Chicago (11800 S. Stony Island Ave.) and Pecatonica (6125 N. Pecatonica Road), we assume that you do

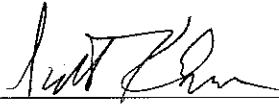
not need additional information as to Clean Harbors' compliance record or history, but we are happy to provide whatever information you may require.

The compliance departments of Clean Harbors and Safety-Kleen are ready to assist you with these applications and any further information which you might require. If you find any item to be missing or have any questions regarding the application, please contact William Connors, Vice President of Corrective Measures at Clean Harbors (telephone 781-792-5169, email: [connorsw@cleanharbors.com](mailto:connorsw@cleanharbors.com) ; or Lin Longshore at Safety-Kleen (telephone: 972-265-2310), email: [lin.longshore@safety-kleen.com](mailto:lin.longshore@safety-kleen.com)).

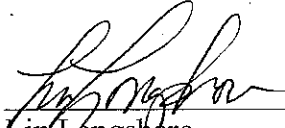
Thank you for your attention to this application.

Very truly yours,

CLEAN HARBORS RECYCLING SERVICES OF CHICAGO, LLC

By:   
\_\_\_\_\_  
Scott Kuhn  
Vice President Environmental Compliance

SAFETY-KLEEN SYSTEMS, INC.

By:   
\_\_\_\_\_  
Lin Longshore  
Vice President of Environmental Compliance, East Group

<b>SEND COMPLETED FORM TO:</b> The Appropriate State or EPA Regional Office.	United States Environmental Protection Agency <b>RCRA SUBTITLE C SITE IDENTIFICATION FORM</b>		
<b>1. Reason for Submittal</b> (See instructions on page 14.)  MARK ALL BOX(ES) THAT APPLY	<b>Reason for Submittal:</b> <input type="checkbox"/> To provide Initial Notification of Regulated Waste Activity (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities) <input checked="" type="checkbox"/> To provide Subsequent Notification of Regulated Waste Activity (to update site identification information) <input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application <input type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # _____) <input type="checkbox"/> As a component of the Hazardous Waste Report		
<b>2. Site EPA ID Number</b> (page 15)	<b>EPA ID Number</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <span>I</span><span>L</span><span>D</span><span>0</span><span>0</span><span>5</span><span>4</span><span>5</span><span>0</span><span>6</span><span>9</span><span>7</span> </div>		
<b>3. Site Name</b> (page 15)	<b>Name:</b> Clean Harbors Recycling Services of Chicago, LLC		
<b>4. Site Location Information</b> (page 15)	<b>Street Address:</b> 1445 W. 42nd Street		
	<b>City, Town, or Village:</b> Chicago		<b>State:</b> IL
	<b>County Name:</b> Cook		<b>Zip Code:</b> 60609
<b>5. Site Land Type</b> (page 15)	<b>Site Land Type:</b> <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		
<b>6. North American Industry Classification System (NAICS) Code(s) for the Site</b> (page 15)	<b>A.</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <span>5</span><span>6</span><span>2</span><span>2</span><span>1</span><span>1</span> </div>		<b>B.</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <span>5</span><span>6</span><span>2</span><span>9</span><span>2</span><span>0</span> </div>
	<b>C.</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <span> </span><span> </span><span> </span><span> </span><span> </span><span> </span> </div>		<b>D.</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <span> </span><span> </span><span> </span><span> </span><span> </span><span> </span> </div>
<b>7. Site Mailing Address</b> (page 16)	<b>Street or P. O. Box:</b> 1445 W. 42nd Street		
	<b>City, Town, or Village:</b> Chicago		
	<b>State:</b> IL		
	<b>Country:</b> USA		<b>Zip Code:</b> 60609
<b>8. Site Contact Person</b> (page 16)	<b>First Name:</b> Alfred		<b>MI:</b>
	<b>Last Name:</b> Aghapour		<b>Email address:</b>
<b>9. Operator and Legal Owner of the Site</b> (pages 16 and 17)	<b>A. Name of Site's Operator:</b> Clean Harbors Recycling Services of Chicago, LLC		<b>Date Became Operator (mm/dd/yyyy):</b>
	<b>Operator Type:</b> <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		
	<b>B. Name of Site's Legal Owner:</b> Clean Harbors Recycling Services of Chicago, LLC		<b>Date Became Owner (mm/dd/yyyy):</b>
	<b>Owner Type:</b> <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		

**THIS PAGE INTENTIONALLY LEFT BLANK**

9. Legal Owner (Continued) Address	Street or P. O. Box: 1445 W. 42nd Street	
	City, Town, or Village: Chicago	
	State: IL	
	Country: USA	Zip Code: 60609

## 10. Type of Regulated Waste Activity

Mark "Yes" or "No" for all activities; complete any additional boxes as instructed. (See instructions on pages 18 to 21.)

## A. Hazardous Waste Activities

Complete all parts for 1 through 6.

Y ☐ N ☐ 1. Generator of Hazardous Waste

If "Yes", choose only one of the following - a, b, or c.

- ☒ a. LQG: Greater than 1,000 kg/mo (2,200 lbs./mo.) of non-acute hazardous waste; or
- ☐ b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or
- ☐ c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste

In addition, indicate other generator activities:

Y ☐ N ☐ d. United States Importer of Hazardous WasteY ☐ N ☐ e. Mixed Waste (hazardous and radioactive) GeneratorY ☐ N ☐ 2. Transporter of Hazardous WasteY ☐ N ☐ 3. Treater, Storer, or Disposer of

Hazardous Waste (at your site) Note: A hazardous waste permit is required for this activity.

Y ☐ N ☐ 4. Recycler of Hazardous Waste (at your site)Y ☐ N ☐ 5. Exempt Boiler and/or Industrial Furnace

If "Yes", mark each that applies.

- ☐ a. Small Quantity On-site Burner Exemption
- ☐ b. Smelting, Melting, and Refining Furnace Exemption

Y ☐ N ☐ 6. Underground Injection Control

## B. Universal Waste Activities

Y ☐ N ☐ 1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. If "Yes", mark all boxes that apply:

	Generate	Accumulate
a. Batteries	<input type="checkbox"/>	<input type="checkbox"/>
b. Pesticides	<input type="checkbox"/>	<input type="checkbox"/>
c. Thermostats	<input type="checkbox"/>	<input type="checkbox"/>
d. Lamps	<input type="checkbox"/>	<input type="checkbox"/>
e. Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>
f. Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>
g. Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>

Y ☐ N ☐ 2. Destination Facility for Universal Waste

Note: A hazardous waste permit may be required for this activity.

## C. Used Oil Activities

Mark all boxes that apply.

Y ☐ N ☐ 1. Used Oil Transporter

If "Yes", mark each that applies.

- ☐ a. Transporter
- ☐ b. Transfer Facility

Y ☐ N ☐ 2. Used Oil Processor and/or Re-refiner

If "Yes", mark each that applies.

- ☐ a. Processor
- ☐ b. Re-refiner

Y ☐ N ☐ 3. Off-Specification Used Oil BurnerY ☐ N ☐ 4. Used Oil Fuel Marketer

If "Yes", mark each that applies.

- ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

**THIS PAGE INTENTIONALLY LEFT BLANK**



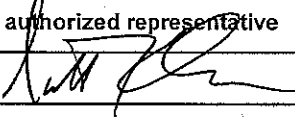
## 11. Description of Hazardous Wastes (See instructions on page 22.)

**A. Waste Codes for Federally Regulated Hazardous Wastes.** Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.


**B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes.** Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.


## 12. Comments (See instructions on page 22.)

**13. Certification.** I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all operator(s) and owner(s) must sign (see 40 CFR 270.10 (b) and 270.11). (See instructions on page 22.)

Signature of operator, owner, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	Scott Kuhn, VP Environmental Compliance	02/01/2008

**THIS PAGE INTENTIONALLY LEFT BLANK**

EPA ID NO: I L D 0 0 5 4 5 0 6 9 7

OMB #: 2050-0034 Expires 11/30/2005

United States Environmental Protection Agency  
**HAZARDOUS WASTE PERMIT INFORMATION FORM**

1. Facility Permit Contact (See instructions on page 23)	First Name: Alfred	MI:	Last Name: Aghapour																			
	Phone Number: (773) 247-2828		Phone Number Extension:																			
2. Facility Permit Contact Mailing Address (See instructions on page 23)	Street or P.O. Box: 1445 W. 42nd Street																					
	City, Town, or Village: Chicago																					
	State: IL																					
	Country: USA		Zip Code: 60609																			
3. Operator Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: 1445 W. 42nd Street																					
	City, Town, or Village: Chicago																					
	State: IL																					
	Country: USA	Zip Code: 60609	Phone Number: (773) 247-2828																			
4. Legal Owner Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: 1445 W. 42nd Street																					
	City, Town, or Village: Chicago																					
	State: IL																					
	Country: USA	Zip Code: 60609	Phone Number: (773) 247-2828																			
5. Facility Existence Date (See instructions on page 24)	Facility Existence Date (mm/dd/yyyy): 01/01/1968																					
6. Other Environmental Permits (See instructions on page 24)																						
A. Permit Type (Enter code)	B. Permit Number										C. Description											
E	1	9	8	0	-	3	9	-	0	P	Non-hazardous waste permit											
E	I	L	D	0	0	5	4	5	0	6	9	7	Liquid waste permit City of Chicago									
E	0	3	1	6	0	0	B	0	Z	Title V Air Permit												
E	1	3	4	2	7	-	1	Discharge Permit to POTW														
E	S	D	A	-	I	L	-	2	6	4	5	Bureau of Alcohol, Tobacco and Firearms										
7. Nature of Business (Provide a brief description; see instructions on page 24)																						
This facility recycles spent solvents for beneficial reuse/recovery through a variety of processes. The spent solvents are stored prior to processing for recycling. The recycling and processing operations include evaporation, distillation, mixing, stripping, filtering and blending. Storage of hazardous wastes is in both containers and bulk form (tanks).																						

## 8. Process Codes and Design Capacities (See instructions on page 24) - Enter information in the Sections on Form Page 3.

A. PROCESS CODE - Enter the code from the list of process codes in the table below that best describes each process to be used at the facility. Fifteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), enter the process information in Item 9 (including a description).

B. PROCESS DESIGN CAPACITY- For each code entered in Section A, enter the capacity of the process.

1. AMOUNT - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.

2. UNIT OF MEASURE - For each amount entered in Section B(1), enter the code in Section B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.

C. PROCESS TOTAL NUMBER OF UNITS - Enter the total number of units for each corresponding process code.

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
D79	<u>Disposal:</u> Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	<u>Treatment (continued):</u> Cement Kiln	For T81-T93:
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	
D81	Land Treatment	Acres or Hectares	T83	Aggregate Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate Kiln	
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven	
D99	Other Disposal	Any Unit of Measure in Code Table Below	T86	Blast Furnace	
S01	<u>Storage:</u> Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T87	Smelting, Melting, or Refining Furnace	Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide Chloride Oxidation Reactor	
S03	Waste Pile	Cubic Yards or Cubic Meters	T89	Methane Reforming Furnace	
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T90	Pulping Liquor Recovery Furnace	
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards	T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T92	Halogen Acid Furnaces	
S99	Other Storage	Any Unit of Measure in Code Table Below	T93	Other Industrial Furnaces Listed In 40 CFR §260.10	
T01	<u>Treatment:</u> Tank Treatment	Gallons Per Day; Liters Per Day	T94	Containment Building - Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day	X01	<u>Miscellaneous (Subpart X):</u> Open Burning/Open Detonation	Any Unit of Measure in Code Table Below
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour	X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Hour; or Million Btu Per Hour	X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; or Million Btu Per Hour
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour	X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
			X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons.....	G	Short Tons Per Hour.....	D	Cubic Yards.....	Y
Gallons Per Hour.....	E	Metric Tons Per Hour.....	W	Cubic Meters.....	C
Gallons Per Day.....	U	Short Tons Per Day.....	N	Acres.....	B
Liters.....	L	Metric Tons Per Day.....	S	Acre-feet.....	A
Liters Per Hour.....	H	Pounds Per Hour.....	J	Hectares.....	Q
Liters Per Day.....	V	Kilograms Per Hour.....	R	Hectare-meter.....	F
		Million Btu Per Hour.....	X	Btu Per Hour.....	I

## 8. Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 8 (shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only
					(1) Amount (Specify)	(2) Unit of Measure (Enter code)		
X 1	S	0	2		5 3 3 . 7 8 8	G	0 0 1	
1	S	0	1		108 .900	G	001	
2	S	0	1		146 .520	G	001	
3	S	0	2		627 .050	G	075	
4	S	0	2		534 .000	G	030	
5					.			
6					.			
7					.			
8					.			
9					.			
1 0					.			
1 1					.			
1 2					.			
1 3					.			
1 4					.			
1 5					.			

NOTE: If you need to list more than 15 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in Item 9.

## 9. Other Processes (See instructions on page 25 and follow instructions from Item 8 for D99, S99, T04 and X99 process codes)

Line Number (Enter #s in sequence with Item 8)	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	D. Description of Process
					(1) Amount (Specify)	(2) Unit of Measure (Enter code)		
X 2	T	0	4		1 0 0 . 0 0 0	U	0 0 1	In-situ Vitrification
					.			
					.			
					.			
					.			
					.			
					.			
					.			
					.			
					.			

## 10. Description of Hazardous Wastes (See instructions on page 25) - Enter information in the Sections on Form Page 5.

- A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in Section A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Section A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in Section B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

## D. PROCESSES

## 1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in Section A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the listed hazardous wastes.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in Section A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

- Enter the first two as described above.
- Enter "000" in the extreme right box of Item 10.D(1).
- Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 10.E.

## 2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in Item 10.D(2) or in Item 10.E(2).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in Section A. On the same line complete Sections B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In Section A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Section D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING Item 10 (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES											
				(1) PROCESS CODES (Enter code)										(2) PROCESS DESCRIPTION- (If a code is not entered in D(1))	
X 1	K 0 5 4	900	P	T	0	3	D	8	0						
X 2	D 0 0 2	400	P	T	0	3	D	8	0						
X 3	D 0 0 1	100	P	T	0	3	D	8	0						
X 4	D 0 0 2													Included With Above	

EPA ID Number (Enter from page 1)										Secondary ID Number (Enter from page 1)									
1 D 0 0 5 4 5 0 6 9 7																			
XIV. Description of Hazardous Wastes: (Continued; use additional sheets as necessary)																			
Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES															
				(1) PROCESS CODES (Enter code)								(2) PROCESS DESCRIPTION (If a code is not entered in D(1))							
1	D 0 0 1	20,000,000	G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
2	D 0 0 2		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
3																			
4	D 0 0 4		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
5	D 0 0 5		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
6	D 0 0 6		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
7	D 0 0 7		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
8	D 0 0 8		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
9	D 0 0 9		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
10	D 0 1 0		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
11	D 0 1 1		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
12	D 0 1 8		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
13	D 0 1 9		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
14	D 0 2 1		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
15	D 0 2 2		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
16	D 0 2 3		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
17	D 0 2 4		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
18	D 0 2 5		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
19	D 0 2 6		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
20	D 0 2 7		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
21	D 0 2 8		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
22	D 0 2 9		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
23	D 0 3 0		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
24	D 0 3 2		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
25	D 0 3 3		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
26	D 0 3 4		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
27	D 0 3 5		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
28	D 0 3 6		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
29	D 0 3 7		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
30	D 0 3 8		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
31	D 0 3 9		G	S	0	1	S	0	2										Chemical recycling, bulking & transfer
32																			
33																			

EPA ID Number (Enter from page 1)										Secondary ID Number (Enter from page 1)									
I L D 0 0 5 4 5 0 6 9 7																			
XIV. Description of Hazardous Wastes (Continued: Additional Sheet)																			
Line Number	A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	E. PROCESSES												
							(1) PROCESS CODES (Enter code)					(2) PROCESS DESCRIPTION (If a code is not entered in E(1))							
	D	0	4	0		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	D	0	4	1		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	D	0	4	2		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	D	0	4	3		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	F	0	0	1		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	F	0	0	2		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	F	0	0	3		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	F	0	0	4		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	F	0	0	5		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	F	0	2	4		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	F	0	3	7		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	F	0	3	8		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	2	2		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	2	9		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	3	0		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	4	8		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	4	9		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	5	1		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	5	2		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	8	5		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	8	8		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	9	5		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	K	0	9	6		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	U	0	0	1		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	U	0	0	2		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	U	0	0	3		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	U	0	0	9		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	U	0	1	9		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	U	0	3	1		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	U	0	3	7		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			
	U	0	4	3		G	S	0	1	S	0	2				Chemical recycling, bulking & transfer			



EPA ID Number: (Enter from page 1)	Secondary ID Number: (Enter from page 1)																								
<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">I</td><td style="padding: 2px 5px;">L</td><td style="padding: 2px 5px;">D</td><td style="padding: 2px 5px;">0</td><td style="padding: 2px 5px;">0</td><td style="padding: 2px 5px;">5</td><td style="padding: 2px 5px;">4</td><td style="padding: 2px 5px;">5</td><td style="padding: 2px 5px;">0</td><td style="padding: 2px 5px;">6</td><td style="padding: 2px 5px;">9</td><td style="padding: 2px 5px;">7</td> </tr> </table>	I	L	D	0	0	5	4	5	0	6	9	7	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td> </tr> </table>												
I	L	D	0	0	5	4	5	0	6	9	7														

## XIV. Description of Hazardous Wastes (Continued, Additional Sheet)

Line Number	A: EPA Hazardous Waste No. (Enter code)	B: Estimated Annual Quantity of Waste	C: Unit of Measure (Enter code)	E: PROCESSES	
				(1) PROCESS CODES (Enter code)	(2) PROCESS DESCRIPTION (If a code is not entered in E(1))
	U 0 4 4		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 5 1		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 5 2		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 5 5		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 5 6		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 5 7		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 6 8		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 6 9		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 7 0		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 7 1		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 7 2		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 7 5		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 7 7		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 7 8		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 7 9		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 8 0		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 8 3		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 0 8 4		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 0 7		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 0 8		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 1 0		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 1 2		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 1 3		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 1 7		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 1 8		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 2 1		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 2 4		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 2 5		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 4 0		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 5 4		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 5 9		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer
	U 1 6 1		G	S 0 1 S 0 2	Chemical recycling, bulking & transfer

Form Approved, OMB No. 2050-0034 Expires XX/XX/02  
GSA No. 0248-EPA-0T

EPA ID NO: I L D 0 0 5 4 5 0 6 9 7

OMB #: 2050-0034 Expires 11/30/2005

11. Map (See instructions on pages 25 and 26)

*Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.*

12. Facility Drawing (See instructions on page 26)

*All existing facilities must include a scale drawing of the facility (see instructions for more detail).*

13. Photographs (See instructions on page 26)

*All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).*

14. Comments (See instructions on page 26)

**THIS PAGE INTENTIONALLY LEFT BLANK**